# Transmission of IPv6 Packets over IEEE 802.11 Networks in mode Outside the Context of a Basic Service Set

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# Changes since last IETF

- New versions are from -31 to -34
- Presented to the ITU Collaboration on ITS Standards
- Demonstrated on V2V between 3 cars
- Considered at ETSI « IPv6-based V2X communications »

# Versions from -31 to -34

- -34: updated a draft reference to WG item I-D.ietf-mboned-ieee802-mcast-problems
- -33:
  - substituted 'movement detection' for 'handover behavior' in introductory text; removed redundant phrase referring to Security Considerations section;
  - removed the phrase about link forming mechanisms being left out, as IP is not much concerned about L2 forming;
  - removed several phrases in a paragraph about oui.txt and MAC presence in IPv6 address, as they are well known info, but clarified the example of privacy risk of Company ID in MAC addresses in public roads; clarified that ND MUST be used over 802.11-OCB.
  - Aestethics: moved the Pseudonym section from main section to end of Security Considerations section (and clarified 'concurrently'); capitalized SHOULD consider OCB in WiFi multicast problems, and referred to more recent I-D on topic;
- -32:
  - significantly shortened the relevant ND/OCB paragraph. It now just states ND is used over OCB, w/o detailing.
- -31: filled in the section titled "Pseudonym Handling“
  - removed a 'MAY NOT' phrase about possibility of having other prefix than the LL on the link between cars;
  - shortened and improved the paragraph about Mobile IPv6, now with DNAv6;
  - improved the ND text about ND retransmissions with relationship to packet loss;
  - Aestethics:
    - changed the title of an appendix from 'EPD' to 'Protocol Layering';
    - improved the 'Aspects introduced by OCB' appendix with a few phrases about the channel use and references.

# IoT and Internet Directorate (iotdir, intdir) Reviews

- Questioning the Ethernet Adaptation Layer:
  - Different than AP bridging Ethernet to WiFi? Yes, it does not bridge between two different interfaces; No, it ‘bridges’ between layers.
  - Suggests the use of 6lowpan – I disagree because the link here is not 802.15.4.
- More questions and clarification requests:
  - We can fix, but we need to discuss.

# Proposal

- Observation: at several instances (ND) we turn in circles: modify back and forth the same thing, without any improvement nor any relationship to implementation.
- Please progress the draft through IESG and publication.
- How can we get m ore help?